Wireless Cloud Camera

TV-IP751WC (v1.0R)

TRENDnet's Wireless Cloud Camera, model TV-IP751WC, takes the work out of viewing video over the internet. Previously to view video remotely, users needed to perform many complicated and time consuming steps: such as signing up for a third party dynamic IP service and reconfiguring their router. The TRENDnet Cloud service removes all of these complicated steps. Users simply open a web browser and log into the TRENDnet Cloud with their unique password to view and manage this camera. A free App for mobile devices brings live video to smart phones and tablets.

ABOUT THE TV-IP751WC

Wireless n technology connects the camera to a wireless network and provides unsurpassed wireless coverage and improved streaming video quality. Add this camera to your wireless network at the touch of a button with Wi-Fi Protected Setup (WPS). The TV-IP751WC offers 640 x 480 (VGA) video at up to 20 frames per second (fps), one-way audio, motion detection recording, scheduled recordings, email alerts, date and time overlay, and four times digital zoom. A wall / ceiling mounting kit is included and the camera's off white housing blends into most environments.

ABOUT SECURVIEW PRO MANAGEMENT SOFTWARE

Users can either control each TRENDnet camera individually or can use the free included enterprise class SecurView Pro software to manage up to 32 cameras. SecurView Pro is compatible with Windows and Microsoft Server operating systems and supports all current TRENDnet cameras.

SecurView Pro provides users with extensive camera viewing options. Users can define a combination of weekly recording schedules and motion detection recording; program motion detection areas of any shape; set date, time, and text overlays; and define mask overlays to conceal sensitive areas.

Zero loss architecture provides the ability to record a single video stream to multiple locations simultaneously. Manage recorded files by time or by storage space. A navigation timeline of stored video provides a quick visual reference of recorded content.

PRODUCT OVERVIEW

- Easy remote camera viewing with free TRENDnet Cloud service
- High speed wireless n connection
- Program motion detection recording, email alerts and more
- One-way audio
- Wall / ceiling mounting kit
- Free mobile App

TRENDNET CLOUD SERVICE

- Free cloud service
- Automatically connects to a TRENDnet Cloud camera over the internet
  - Cloud service eliminates the previous requirement to sign up for a Dynamic DNS service and reconfigure your router and IP camera
  - Cloud camera requires internet connection
- Each camera accessed individually with unique web address (URL)
- Password protected cloud service
- Access to live video
- Full camera management with adequate network connection
- A single camera can be viewed remotely by multiple users concurrently
  - The number of concurrent users is limited by ISP network bandwidth
- Remotely view multiple cameras on the same local area network (LAN)
  - The number of viewable cameras is limited by ISP network bandwidth
- Cloud App for mobile devices (iOS® and Android® support)

FEATURES

- Wi-Fi compliant with IEEE 802.11n standard
- Backwards compatible with IEEE 802.11g and 802.11b devices
- One touch Wi-Fi Protected Setup (WPS) connection button
- 1 x 10/100 Mbps Ethernet port (for optional wired installation)
- Power and activity LED indicators (can be disabled)
- 1-way audio
- Reset button
- 4x digital zoom
- Dynamic DNS support
- Supports up to 640 x 480 pixel MJPEG resolution at up to 20 frames per second
- Compression rate: Very Low, Low, Medium (default), High, and Very High
- Image controls: brightness, contrast, saturation, light frequency, flip image vertically, mirror image horizontally
- Define a recording schedule or motion detection recording
- Create motion detection fields over the viewing area
- Supports TCP/IP networking, email, HTTP, and other internet protocols
- System controls:
  - Define up to 64 user login accounts
  - Set the date and time or synchronize with an NTP server
- Supports wireless encryption up to WPA2-PSK
- Quick Universal Plug and Play (UPnP) installation
- Mounting base and mounting hardware included
- 3-year limited warranty

SECURVIEW PRO CAMERA SOFTWARE FEATURES

- Manage up to 32 cameras*
- Compatible with Windows and Microsoft Server 2008
- Multiple language support
- Camera Viewing
  - Preset viewing modes
  - Program custom viewing modes
  - Full screen view
  - Drag and drop live feeds to a new location
  - Program camera cycle viewing sequence
  - Motion detection brings video forward
  - Side, top, and bottom tool bars can be hidden
  - Web based access from smart phones and tablets
- Recording options
  - Program weekly recording schedules
  - Motion detection recording
    - Define motion detection areas of any shape
    - Define motion detection sensitivity
  - Event trigger recording
  - Date and time overlay
  - Mask overlay to conceal sensitive areas
  - Save a single video stream to multiple locations simultaneously
  - Define recording quotas by recording time or space allocation
  - Disk clean feature condenses and optimizes old files
  - Real time recording stats to help manage files
- Search and Playback
  - Navigation timeline provides a quick visual reference to the recorded content
  - Search continuous recordings by motion
  - Search recordings by motion within a defined field (a portion of the viewing area)
  - Time lapse playback search
- Map cameras on an image such as a floor plan
- Map cameras on Google Maps™

*Monitoring multiple cameras may require a high performance CPU

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SPECIFICATIONS

CAMERA	

General	• Sensor: 1/5" CMOS Sensor
	• Board Lens
	• Focal Length: 4 mm
	• F/No: 1.5
	• Minimum illumination: 1 lux
	• Focus Depth: 20 cm ~ infinity
	• View:
	  • Horizontal: 38°
	  • Vertical: 28.7°
	  • Diagonal: 46.5°
	• Digital Zoom: 4x

Audio	• Built-in omni-directional microphone • Sensitivity: -38 dB +/- 3 dB (5 meters max.) • Frequency: 100~20000 Hz • S/N: >60 dB • Format: PCM
HARDWARE	
Network	• IEEE 802.3u 10/100 Mbps Fast Ethernet
LED	• Power, Link / Act
WPS Button	• Enable WPS connection
Reset Button	• Reset to factory default
Power Consumption	• Max 5 watts
Power	• Input: 100~240 V, 50/60 Hz, 0.2A • Output: 5V, 1.2A external power adapter
Dimension	• 75 x 115 x 30 mm (2.95 x 4.5 x 1.2 in.)
Weight	• 110 g (3.8 oz)
Temperature	• Operating: 0°C ~ 40°C (32°F ~ 104°F) • Storage: -15°C ~ 70°C (5°F ~ 158°F)
Humidity	• Max 90% (non-condensing)
Certifications	• CE, FCC
REQUIREMENT	
Management Interface	• Internet Explorer 7.0 or higher • Firefox 3.5 or higher • Safari 4.0 or higher • Google Chrome 19.0 or higher
To Run software	• Windows 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit) • Windows Server 2003, 2008
SecurView Pro Software	• Channel: supports up to 32 cameras • Record / Playback / Motion Detection / Audio
Network Protocols	• IPv4, ARP, TCP, UDP, ICMP • DHCP Client, NTP Client, DNS Client, DDNS Client, SMTP Client, FTP Client • HTTP • PPPoE • UPnP

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SPECIFICATIONS

WIRELESS	
Standard	• IEEE 802.11b, 802.11g and 802.11n
Frequency	• 2.4 ~ 2.497 GHz ISM band
Modulation	• DQPSK, DBPSK, DSSS and CCK
Antenna	• Built-in 2 dBi antenna
Data Rate	• 802.11b: up to 11 Mbps • 802.11g: up to 54 Mbps • 802.11n: up to 150 Mbps
Security	• 64/128-bit WEP, WPA / WPA2-PSK
Output Power	• 802.11b: 17 dBm (typical) • 802.11g: 14.5 dBm (typical) • 802.11n: 14.5 dBm (typical)
Receiving Sensitivity	• 802.11b: -89 dBm at 11 Mbps • 802.11g: -74 dBm at 54 Mbps • 802.11n: -71 dBm at 150 Mbps
Channels	• 1~11 (FCC), 1~13 (ETSI)
MANAGEMENT	
Accounts	• Up to 64 user accounts
Remote Login	• Remote management supported
Backup / Restore	• Save / retrieve configuration files
Cloud Link	• Display status and URL, enable / disable, refresh
SETTINGS	
Image	• Brightness, contrast, saturation, light frequency, flip, mirror (horizontal / vertical)

Video Setting	• Encoding: MJPEG
	  • Resolution and frame rate: VGA @ 20 fps, QVGA @ 30 fps, QQVGA @ 30 fps
	  • JPEG quality: Very Low, Low, Medium (default), High, Very High

Recording	• Event based (motion detection) and scheduled
Snapshot	• Trigger event: motion detection • Action: send alert email and / or upload to FTP • Real time snapshot
Port Settings	• HTTP port: 80 (default)
Time	• Synchronize with NTP server or PC, or set time / date manually

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NETWORKING SOLUTIONS

PACKAGE CONTENTS

TV-IP751WC
CD-ROM (Utility, software, & User's Guide)
Multi-Language Quick Installation Guide
Network cable (1.5 m / 5 ft.)
Power adapter (5V DC, 1.2A)
Camera mounting kit

RELATED PRODUCTS

TV-IP751WIC	Wireless Day / Night Cloud Camera
TV-IP851WC	Wireless PTZ Cloud Camera
TV-IP851WIC	Wireless Day / Night PTZ Cloud Camera

CONTACT INFORMATION

TRENDnet

20675 Manhattan Place,Torrance, CA 90501 USA
Tel: 1-310-961-5500
Fax: 1-310-961-5511
Web: www.trendnet.com
Email: sales@trendnet.com
1-888-326-6061

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